

Abstract

A launch and recovery system for unmanned underwater vehicles (UUV) includes a watercraft with a stern endwall movable between a vertical position and a ramp position that is angled downward toward the water surface. A storage platform mounted on the watercraft and terminating at the stern endwall defines a storage area for UUVs. An arm is pivotally mounted to the watercraft at a position forward of the storage platform. The arm has an outboard end that can be extended to positions aft of the watercraft and on either side thereof. The arm is also retractable such that its outboard end is positionable over the storage platform. A capture mechanism is mounted to the outboard end of the arm and is used to capture a UUV that maneuvers thereto in the water. A homing mechanism is coupled to the arm and is used to transmit a homing signal through the water for use by the UUV in maneuvering towards the capture mechanism.